



Introduction

Purpose

This manual provides installation and configuration information for installing an EMV® Card Reader into a Gasboy® Islander™ PRIME Pedestal and configuring EMV on site.

The EMV is a retrofit kit for existing Gasboy Islander PRIME pedestals installed at customer sites. For new sites with Islander PRIME's installed with EMV, refer to the [“Network Configuration”](#) on page 8 and [“Software Configuration”](#) on page 11 sections.

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Initial EMV Setup and Special Cases

Note: Customer must have a managed network service provider (MNSP) to be PCI compliant.

- PDI/CHS (for CHS Coops) must provide a Paysafe Box or firewall services for the site.
- Only PDI can modify routing or settings in the Paysafe Firewall.
- A Terminal ID (TID) must be supplied by NBS® or CHS for CHS Coops. The EMV TID begins with the letters ‘GI’. If you have TID starting with the letters ‘GA’, you will need to request TID(s) from NBS or CHS Coops.
- A Prime nORCU must be used to control EMV Readers. PLUS system (black box) ORCUs cannot control EMV Readers.

If the Customer wants to use an FHO server on their network that is not isolated to port 1 of the Paysafe (one computer), then the customer’s IT staff should provide PDI Support PDI Help desk Contact Number: 1 800-393-3246 option 1 with the list of IPs to allow to the Islander and the FHO IP to allow for polling access. They may require other information like gateway and subnet as well.

Required Tools

The following tools are required to install the EMV Retro Install:

- Phillips screwdriver
- Metric socket set

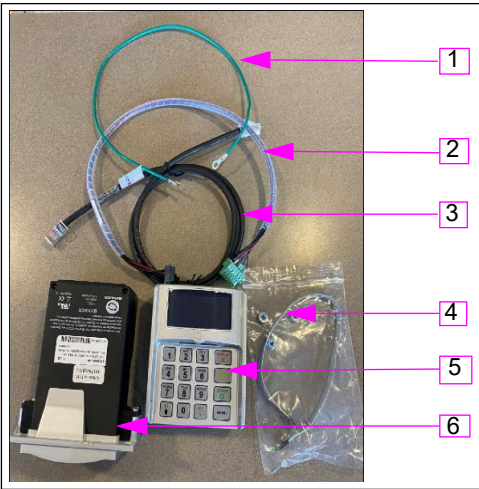
There are three different kits depending upon the customer. Ensure that you select the proper kit before proceeding with installation.

EMV Retrofit Kits

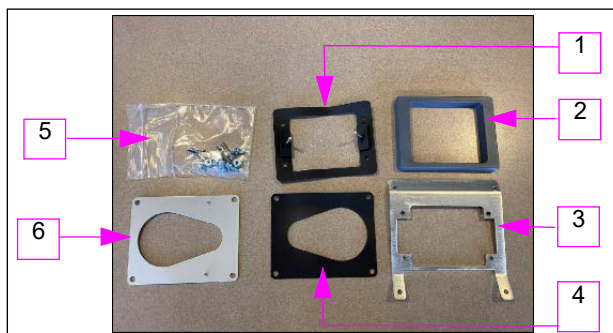
EMV Retrofit Kit Part No.	Part Name
M18380K002	Islander PRIME EMV Upgrade Kit - Generic II Key
M18380K003	EMV Retrofit Kit - NBS Cenex® Key

Items Included in the EMV Kit

Figure 1: EMV Retrofit Kit Top View



Item No	Item Name	Description
1	Ground Cable	Grounds the card reader braked. Connects to the bottom right screw on the card reader bracket and the ground lug on the door.
2	Power and serial data cable for card reader	Connects from the backplane board to the card reader.
3	CAT5 Cable for card data transmission	Connects to the 5-port switch and the card reader.
4	Cable that connects the card reader and PIN Pad	Also included in the bag are the nuts to mount the PIN Pad to the Islander housing.
5	PIN Pad	-
6	BV1000 Card Reader	-

Figure 2: Parts for EMV Kit – Seals and Plates

Item No	Item Name	Description
1	Tamper Gasket	Pins go into the tamper holes in the card reader. Outer card reader tamper pin cover (4) holds it in place.
2	Outer card reader tamper pin cover	Mounts on the outside with screws from the inside holding it in place.
3	Card reader bracket mounted inside door	Mounts with the surface against the door.
4	PIN Pad Gasket	Mounts between the tamper plate and Islander housing.
5	Mounting Hardware	<i>Note: (Not pictured) Inner gasket similar to number 1 without the tamper pins. Mounts between the card reader bracket (3) and the Islander housing.</i>
6	PIN Pad Tamper Plate	Mounts with the pins toward the back of the PIN Pad.

Figure 3: Parts for EMV Kit – Reader and PIN Pad M17985B001

Figure 4: Parts for EMV Kit – Reader and Key (M19786B00X)



Part Number	Description
M17986B002	GlobalCom Card Reader - Generic Key
M17986B003	GlobalCom Card Reader - NBS Cenex Key

Figure 5: Parts for EMV Kit – Ethernet Cable Q13850-03



Figure 6: Parts for EMV Kit – Ground Wire M00672A014



Figure 7: Parts for EMV Kit – Power Communications Cable M18164A001



Related Document

Document Number	Title	GOLD SM Library
MDE-5411	Gasboy Islander PRIME Installation Manual	Gasboy
MDE-5414	ForeHB SiteOmat-360 Setup and Maintenance Manual	Gasboy

Abbreviations and Acronyms

Term	Description
ASC	Authorized Service Contractor
CFN	Commercial Fueling Network
EMV	Europay MasterCard, Visa
FHO	Fleet/Fuel Head Office
LAN	Local Area Network
MNSP	Managed Network Service Provider
NEC®	National Electrical Code
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
PCI	Payment Card Industry
TID	Terminal ID
TLS	Transport Layer Security
WAN	Wide Area Network

Important Safety Information

Notes: 1) Save this Important Safety Information section in a readily accessible location.

2) Although DEF is non-flammable, Diesel is flammable. Therefore, for DEF cabinets that are attached to Diesel dispensers, follow all the notes in this section that pertain to flammable fuels.


This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury, if these safe service procedures are not followed.


Preliminary Precautions

You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.


Emergency Total Electrical Shut-Off

The first and most important information you must know is how to stop all fuel flow to the pump/dispenser and island. Locate the switch or circuit breakers that shut off all power to all fueling equipment, dispensing devices, and Submerged Turbine Pumps (STPs).

**WARNING**



The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser. This means that even if you activate these stops, fuel may continue to flow uncontrolled.



You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not the console's ALL STOP and PUMP STOP or similar keys.

Total Electrical Shut-Off Before Access

Any procedure that requires access to electrical components or the electronics of the dispenser requires total electrical shut off of that unit. Understand the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gasboy equipment.

Evacuating, Barricading and Shutting Off

Any procedure that requires access to the pump/dispenser or STPs requires the following actions:



- An evacuation of all unauthorized persons and vehicles from the work area
- Use of safety tape, cones or barricades at the affected unit(s)
- A total electrical shut-off of the affected unit(s)

Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call a Gasboy Authorized Service Contractor or call the Gasboy Service Center at 1-800-444-5529. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

Follow the Regulations

Applicable information is available in National Fire Protection Association (NFPA) 30A; *Code for Motor Fuel Dispensing Facilities and Repair Garages*, NFPA 70; *National Electrical Code (NEC)*, Occupational Safety and Health Administration (OSHA) regulations and federal, state, and local codes. All these regulations must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

Replacement Parts

Use only genuine Gasboy replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gasboy replacement parts could create a safety hazard and violate local regulations.

Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes.

Alert Symbol



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazards. Obey safety directives that follow this symbol to avoid possible injury or death.

Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions below must be followed to prevent death, injury or damage to the equipment:



DANGER: Alerts you to a hazard or unsafe practice which will result in death or serious injury.



WARNING: Alerts you to a hazard or unsafe practice that could result in death or serious injury.



CAUTION with Alert symbol: Designates a hazard or unsafe practice which may result in minor injury.

CAUTION without Alert symbol: Designates a hazard or unsafe practice which may result in property or equipment damage.

Working With Fuels and Electrical Energy

Prevent Explosions and Fires

Fuels and their vapors will explode or burn, if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially dangerous vapors in the vicinity of the dispenser or island.

DEF is non-flammable. Therefore, explosion and fire safety warnings do not apply to DEF lines.

No Open Fire



Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.

No Sparks - No Smoking



Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuel vapors. Every time you get out of a vehicle, touch the metal of your vehicle, to discharge any electrostatic charge before you approach the dispenser island.

Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Familiarize yourself with Cardiopulmonary Resuscitation (CPR) methods, if you work with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA Lockout/Tagout procedures. If you are not familiar with this requirement, refer to this information in the service manual and OSHA documentation.

Working With Electricity Safely

Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Lockout/Tagout requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Ensure that you clean hands after handling equipment. Do not place any equipment in the mouth

WARNING

In the event of inclement weather, including snow, ice, or flooding that makes driving conditions dangerous, please avoid servicing units. Always use available door stops to secure upper doors against unwanted/unexpected movement, especially during high winds. If necessary, reschedule service to avoid damage to the equipment. Weather may change unexpectedly; be aware of local weather conditions. During service, if conditions develop making service unsafe, close the unit(s) and proceed to a safe location.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause cancer.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause birth defects or other reproductive harm.



Gilbarco Veeder-Root encourages the recycling of our products. Some products contain electronics, batteries, or other materials that may require special management practices depending on your location. Please refer to your local, state, or country regulations for these requirements.

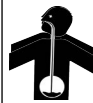
In an Emergency

Inform Emergency Personnel

Compile the following information and inform emergency personnel:

- Location of accident (for example, address, front/back of building, and so on)
- Nature of accident (for example, possible heart attack, run over by car, burns, and so on)
- Age of victim (for example, baby, teenager, middle-age, elderly)
- Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on)
- Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on)

WARNING



Gasoline/DEF ingested may cause unconsciousness and burns to internal organs. Do not induce vomiting. Keep airway open. Oxygen may be needed at scene. Seek medical advice immediately.

WARNING

DEF generates ammonia gas at higher temperatures. When opening enclosed panels, allow the unit to air out to avoid breathing vapors. If respiratory difficulties develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

WARNING



Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs. Keep airway open. Seek medical advice immediately.

WARNING



Gasoline/DEF spilled in eyes may cause burns to eye tissue. Irrigate eyes with water for approximately 15 minutes. Seek medical advice immediately.

WARNING



Gasoline/DEF spilled on skin may cause burns. Wash area thoroughly with clear water. Seek medical advice immediately.

WARNING

DEF is mildly corrosive. Avoid contact with eyes, skin, and clothing. Ensure that eyewash stations and safety showers are close to the work location. Seek medical advice/recommended treatment if DEF spills into eyes.

IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Lockout/Tagout

Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start-up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical, or other energy, but does not cover electrical hazards. Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

Network Configuration

Installing the Paysafe

Plug the Paysafe to power and connect the proper Ethernet cables to the Paysafe in the proper ports.

Refer to *PDI Paysafe Network Documentation*, if your model is different from the one shown in [Figure 8](#).

Figure 8: Paysafe Router

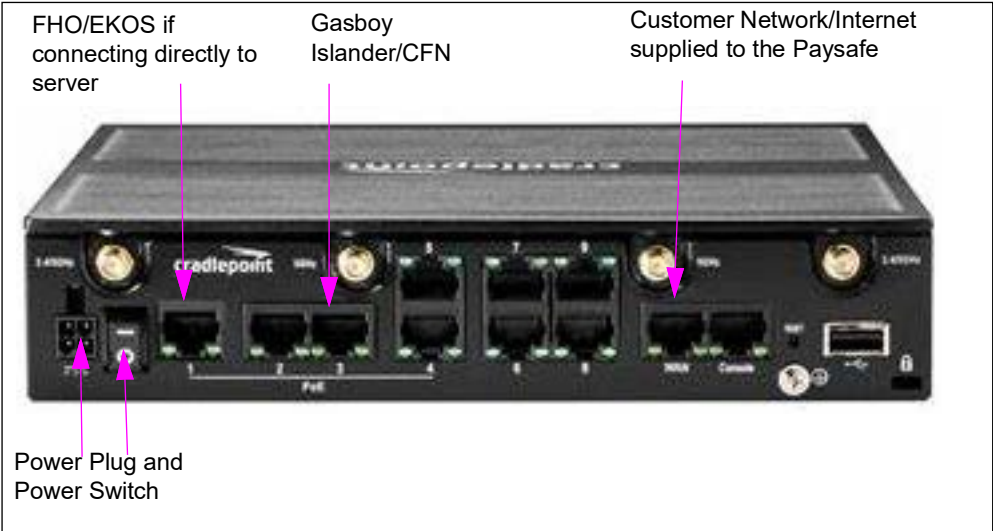
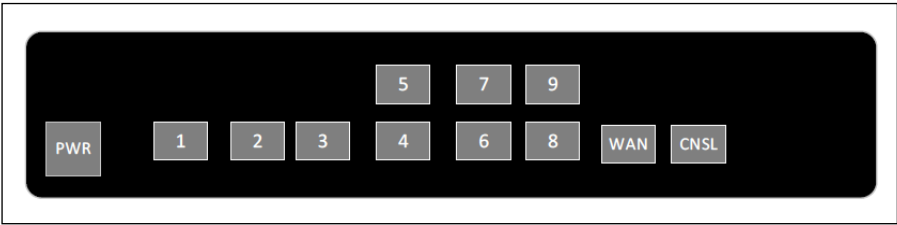


Figure 9: Paysafe Router Icons



Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8	WAN	Console
FHO: To FHO Server EKOS: To EKOS	Open	Gasboy Prime CFN LAN2/ 10.5.63.2	Open	Open	Open	Open	Open	To customer's internet router	Open

Different EMV Network Configurations

There are four primary configurations for installing EMV.

EMV Network Configurations:

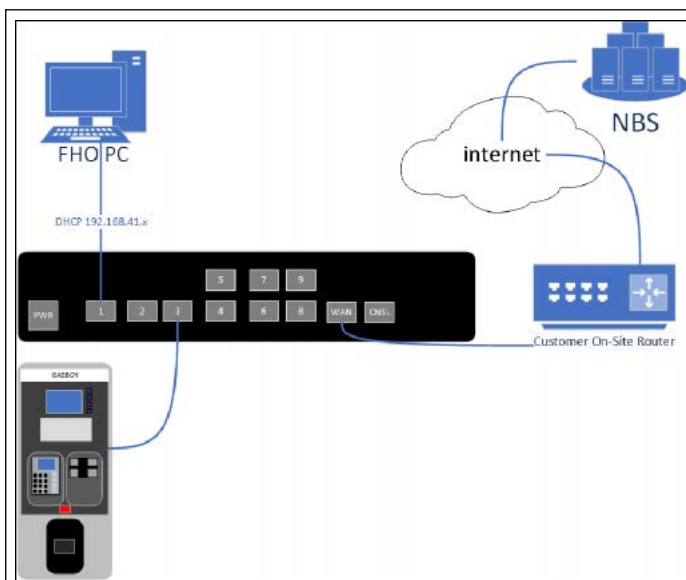
EMV Configurations	Network Diagram	Notes
FHO - On-Site server	Figure 10	Must use DHCP to connect.
FHO - Remote Server	Figure 11 on page 10	Must have customer provide Allow/Deny rules for PDI.
EKOS with customer supplied firewall	Figure 12 on page 10	Must provide All/Deny rules for PDI. If customer has its own firewall, then ensure discussion prior to installation.

For each installation, will need to install a Paysafe router or PDI-provided network solution. You must connect each item with Ethernet to a specific Ethernet port on the Paysafe router.

FHO – On-Site server

Using this configuration, the Islander is plugged into the Paysafe on port 3, Internet is supplied to the Paysafe on the WAN Port, and the FHO PC/server is connected directly to the Paysafe on port 1. In this instance, the FHO is set to DHCP, it gets an IP from the Paysafe, and this is the only machine that can access the FHO and the Islander. No other network computers can access the site or FHO.

Figure 10: With FHO On-Site



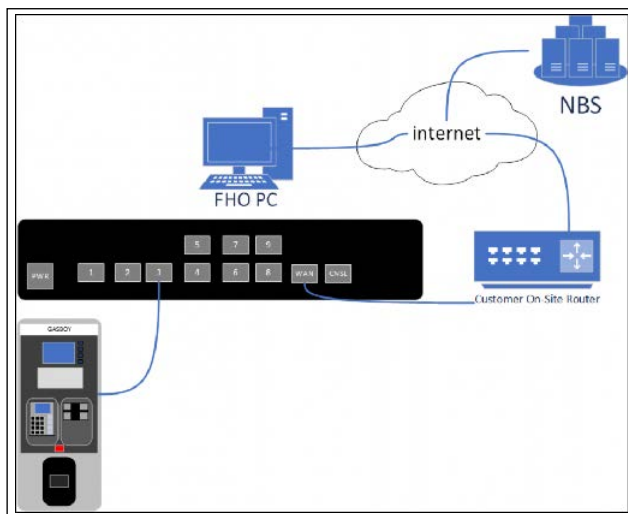
FHO – Remote Server

This configuration requires that the Customer IT staff and PDI Set Up for the Paysafe to work with the customer network in advance. This must be done in advance of installation and requires some planning and a conference call, along with written documentation provided to PDI. This allows the FHO server to remain on the customer network, allowing anyone on the network to access FHO. Those who need to access the station should be limited (not the whole network) and their PCs need to have a static IP set.

The following is the information submitted to PDI:

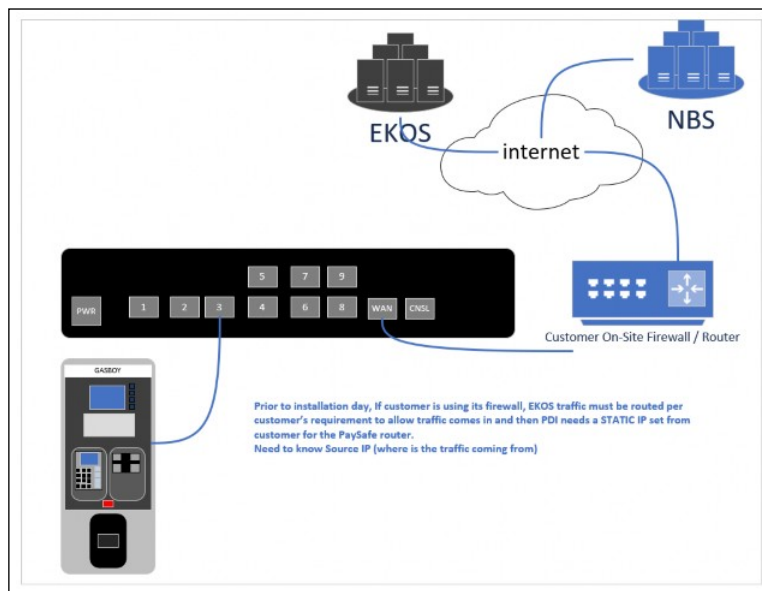
- IP of the FHO Server
- IP of each PC that will need to connect to the station

Figure 11: With FHO Remote



Customer Supplied Firewall with EKOS

Figure 12: Customer Supplied Firewall with EKOS



Software Configuration

After connecting laptop to powered up pedestal, use the Internet Browser to connect to the following IP addresses when requested during Set Up.

Important IP Addresses for Set Up

Destination	IP Address	Used For
SiteOmat application	192.168.1.104	Configure Card Reader, IP addresses, and ports configuration.
SiteOmat Administrative Console	192.168.1.104:8090	System security (TLS), Network settings for LANs, Gateway, DNS, Set Date, Time, and Time Zone.
OrPAY 1000 Hardware Group 1	192.168.1.211	Set Up and configuring EMV for first pedestal with specific port by hardware device type*; additional pedestals must use a different IP address.
OrPAY 1000 Hardware Group 2	192.168.1.212	Set Up and configuring EMV for second pedestal with specific port by hardware device type; additional EMV Hardware Groups should use IP addresses 192.168.1.213 192.168.1.214, etc.
Commverter Board	192.168.1.111	Set Up of site and pump configuration; not required for EMV configuration.

Note: *Refer to "[Hardware Device and its associated Port](#)" on [page 12](#) for specific hardware and port assignments.

Note: If you are not adding an EMV Card Reader to an existing Islander Prime Site, run the Setup Wizard according to the procedure defined in the Technician Course Guide or MDE-5414 ForeHB SiteOmat Setup and Maintenance Manual, or import a configuration from an existing Islander PLUS or PRIME setup. This provides the number of Orpays and printers that are defined for the site. If you have an existing Islander Prime, you should only have to add the BV1000 readers, as shown in the steps below.

- 1 Upgrade or validate that the latest software is installed. Latest software can be found at ftp.gilbarco.com, including SiteOmat, Service Pack, OrPAY 1000, and Gasboy GlobalCom Support Application.
- 2 Confirm that the software applications are the correct versions for EMV (see [Figure 1](#) on [page 12](#)).

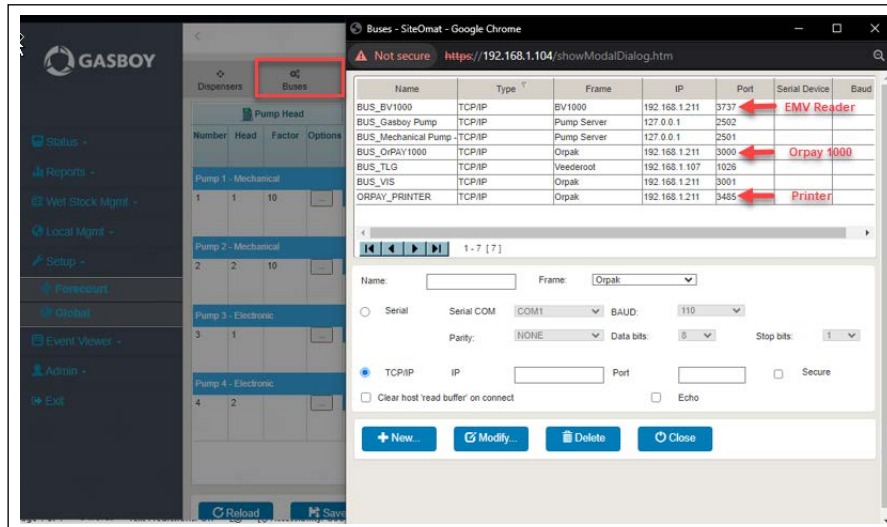
Minimum Software Versions

Prime Software	Minimum Version for EMV	Notes
BSP	SP21	If BSP is running SP15 or earlier version, upgrade to SP16, then upgrade to the latest BSP version. SP16 is located at ftp.gilbarco.com
SiteOmat application (Customer-specific)	Varies	Check here for any customer with specific software prior to installing Base SiteOmat application
SiteOmat application (Base)	V7.2.23.3	For all non-specific customer implementations
OrPAY Bootloader	01.03.05	-
OrPAY Application	04.04.10	-

SiteOmat Setup

- 1 Ensure that you have a Bus for each OrPAY, Printer, and BV1000 (card reader) on site.

Figure 13: EMV Buses

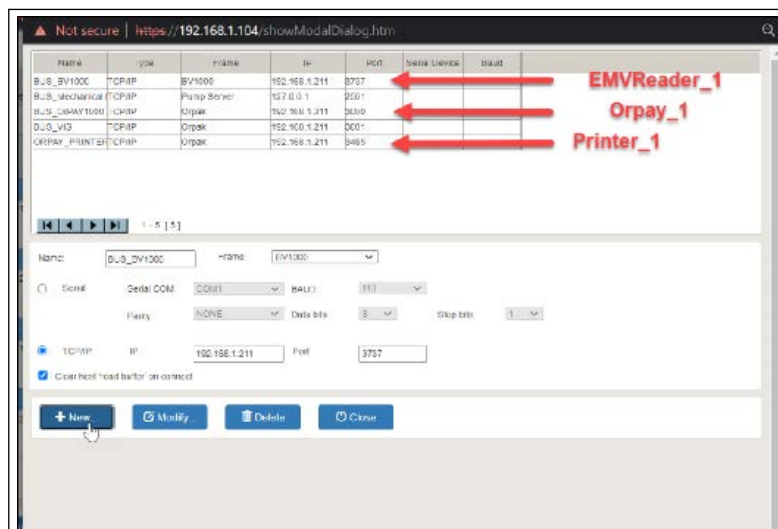


- 2 Each OrPAY, EMV Reader, and Printer (EMV hardware group) must use a unique Device Name and IP address, as well as the correct port, for each hardware group.

Hardware Device and its associated Port

Device	IP Address	Port
OrPAY	192.168.1.x	3000
Printer	192.168.1.x	3485
EMV Reader	192.168.1.x	3737

Figure 14: EMV Hardware Group Setup in SiteOmat

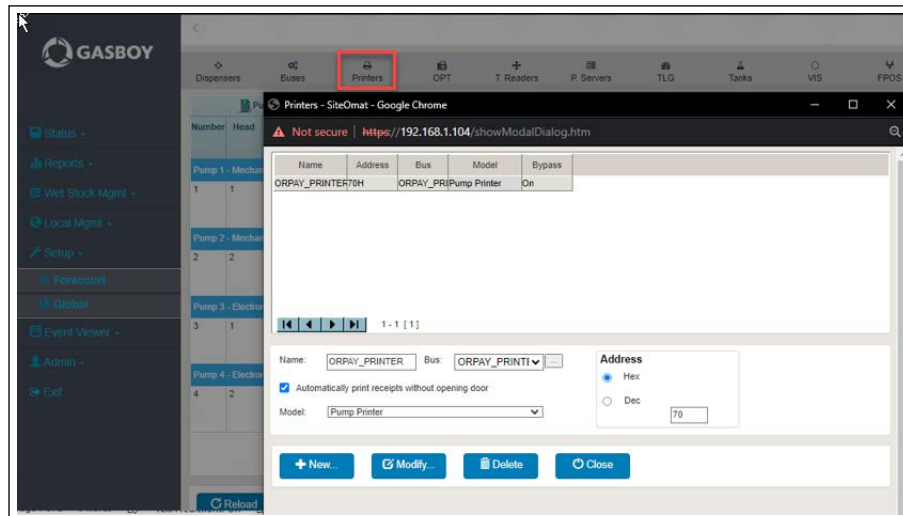


- 3 Ensure that all printers on site are set to use the Printer BUS created for port 3485, and confirm that BUS_1 is linked to Printer_1 with Print Receipt test. If Receipt does not print or prints from another printer, review your printer settings.

a From the Setup screen, select **Setup**, and then **Advanced Mode**.

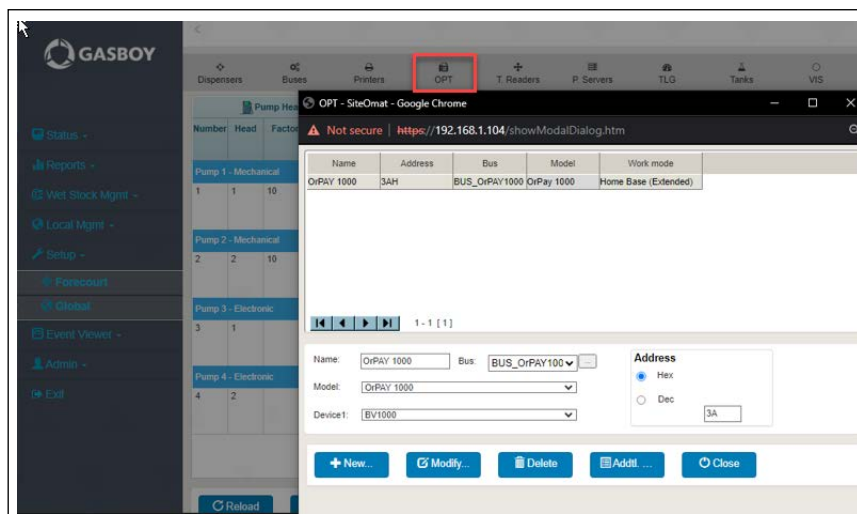
b Select the **Printers** tab at the top of the Setup screen.

Figure 15: Confirm Printers



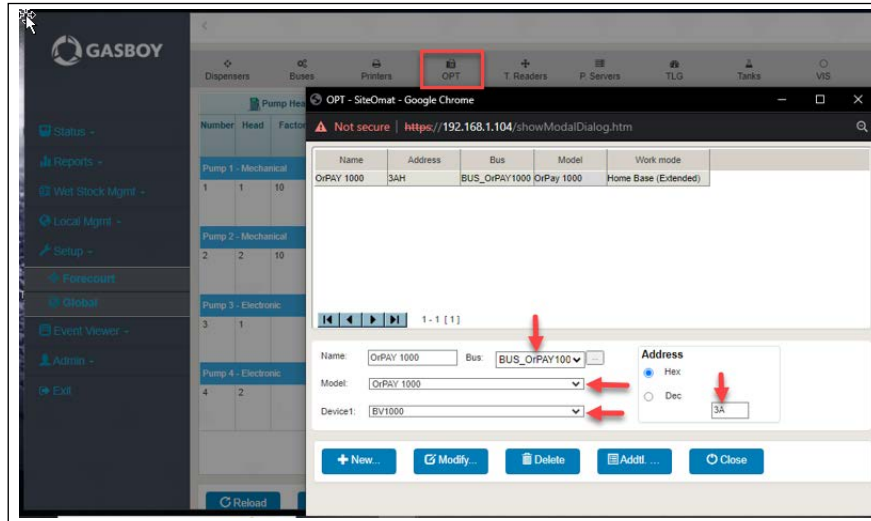
- 4 Select the OPT tab at the top of the Setup screen.
- 5 From the OPT Tab, ensure that the BV1000 card reader is associated with the proper OrPAY (IP addresses from the Buses Tab should match) in the Device 1 drop-down list.

Figure 16: EMV OrPAY



- Confirm the items shown in Figure 17. EMV is incompatible with OPOS mode. Unless otherwise changed in the OrPAY, the hex address for each OrPAY should be 3A.

Figure 17: OPT - Confirm OrPAY



- From the Setup screen, select Setup, and then Advanced Mode. Then, select the FPOS tab at the top of the Setup screen.
- From the FPOS tab, ensure that you have entered a BV1000 card reader for each EMV card reader on site and associated it with its specific Bus.
- In the Bus drop-down, select **BV1000 Card Reader > Product Mapping**.

Figure 18: FPOS - Product Mapping

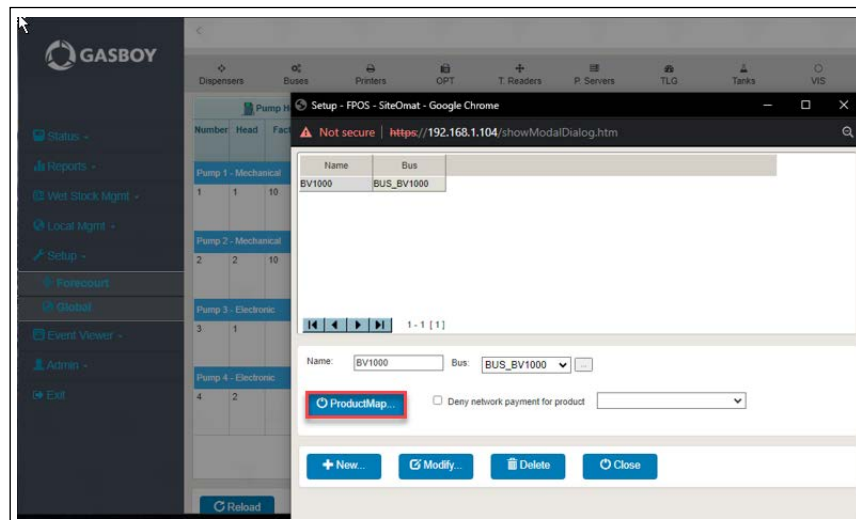


Figure 19 and the table given below displays an example of Product Mapping for FPOS. Refer to Product Codes table on “Appendix C: Product Codes” on page 32.

Figure 19: FPOS - Example Product Mapping

Example Product Mapping for FPOS

Product Name	External Code
Gas Unleaded Regular	001
Gas Premium Unleaded	003
Premium DSL	020
Diesel - 1	021
Diesel - 2	019
Liquid Propane (LP) - 1	023

OrPAY Set Up

- 1 Log in to the OrPAY (IP can be found on the boot up screen).
 - a If the OrPAY has never been logged into, enter the user name 'Admin'.
 - b Enter Password (default 'Admin', if changed, could be '1Admin1!' or possibly written on inside of pedestal). If these actions fail, call Gasboy TAC at 1-800-444-5529 to reset the password.
- 2 Check for the minimum software installed and upgrade if required.

Figure 20: Check for Minimum Software Installed on OrPAY

Admin	MAC: 00:21:0E:02:97:E8
Converter	IP: 192.168.1.211
OPT	Netmask: 255.255.255.0
Change Password	Version: 04.04.05
Reset Password	BootLoader: 01.03.05
	Date/Time: 14/04/2023 17:00:45
	S/N: 60062523
	Location:
	Device Key: 30503730

- 3 Select the **Converter** button, and then select the **Channels** Tab.
- 4 Add a channel with the following attributes:
 - a If 'Aux0' is not an option, ensure that you have the OrPAY Application minimum version software from ["Important IP Addresses for Set Up"](#) on [page 11](#).

Figure 21: Aux0 is Available and Set

TCP/IP Port: 3737	Comm. Interface: AUX-0
Device Name: BV1000	Comm. Type: RS-232
Transport Security: Disabled	Baud Rate: 115200
No Data Timeout: 500	Data Bits: 8
	Parity: None
	Stop Bits: 1
	UART Frame Timeout: 20
	Operation Mode: Transparent

5 Submit on this page and click **Save**.

a You will be asked to reboot the OrPAY during this process. Click **OK**.

Service Pack

1 Log in to the SiteOmat Administrative menu (Service Pack) at <https://192.168.1.104:8090> (username/pw = admin/admin123).

a Click the **Networking** button.

b If using a Paysafe box, set the Networking as shown in the [Figure 22](#).

c Reboot the nORCU.

d Navigate back to the Administrative console and check your work to be sure all settings are done.

Note: If using PDI non-hardware firewall solution, the LAN2 gateway, LAN2 subnet, and DNS addresses will be provided by the customer.

2 Click **Time** on the left side and set the Date, Time, and Time Zone. After rebooting, check your work on the Home Screen of the Administrative Console.

Figure 22: Setting TLS and IP, Subnets, and Gateway

Networking

Home
System Information
Setup
Networking
Time
Password
Install
SiteOmat
OrData
PumpServer
PAIS
Service Pack

Security Settings

☐ Use SSL 3.0
☐ Use TLS 1.0
☒ Use TLS 1.1
☒ Use TLS 1.2

Note: At least one checkbox must be checked!
 (Only click 'Save Network Settings', wait 10 seconds, and then reboot to apply.)

Network Settings

• **LAN1**

IP: 192.168.1.104
 Mask: 255.255.255.0
 MAC: 00:01:29:a8:8b:c8

• **LAN2**

IP: 10.5.63.2
 Mask: 255.255.255.240
 MAC: 00:01:29:a8:8b:c9

GW: 10.5.63.1

• **DNS**

Primary: 8.8.8.8
 Secondary: 8.8.4.4

Save network settings

Hardware Installation

If the EMV reader is already mounted on an Islander PRIME that is being installed, skip the “[Hardware Installation](#)” section. Configure the Islander PRIME using the configuration information from the sections in this manual that address network configuration and software configuration.

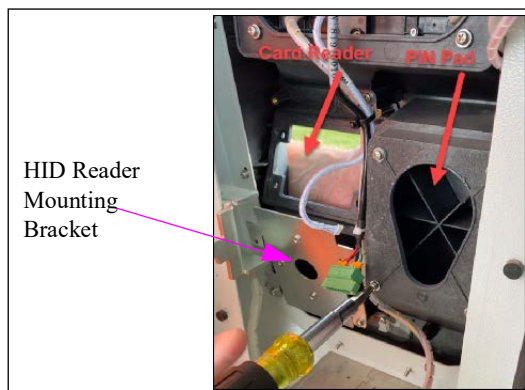
Figure 23: Inside Door Before Installation



To install and set up the EMV reader, proceed as follows:

- 1 Power Down the Islander. No connections should be made with power on.
- 2 Remove the blank panels from the card reader slot and the PIN Pad slot.

Figure 24: Remove Blanks from Pedestal Door



- 3 Assemble and mount the PIN Pad as shown in [Figure 25](#) and [Figure 26](#).

Note: Tabs on the backer plate need to press in the buttons on the PIN Pad. The rubber gasket should then be mounted between the Islander and the backer plate.

Figure 25: PIN Pad Back Plate



Figure 26: PIN Pad Rubber Gasket Backer



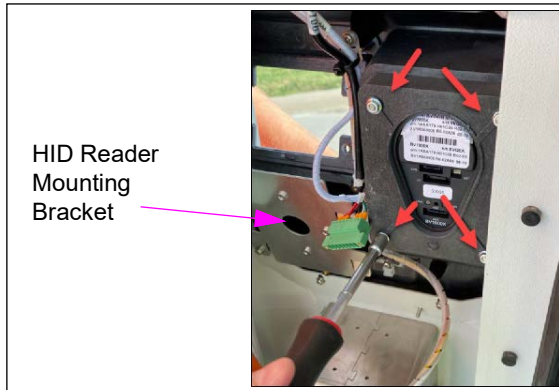
- 4 Use the accompanying nuts to secure the PIN Pad (see [Figure 27](#)).

Figure 27: Secure the PIN Pad with the nuts



- 5 Remove the 4 screws from the HID Reader Mounting Bracket to enable access to secure the card reader bracket.

Figure 28: HID Reader Mounting Bracket



- 6 Use the Accompanying bracket and screws to secure the card reader, internal gasket and additional gasket to the inside of the door using three screws. Note the orientation of the bracket as in [Figure 29](#).

Figure 29: Line Up Card Reader

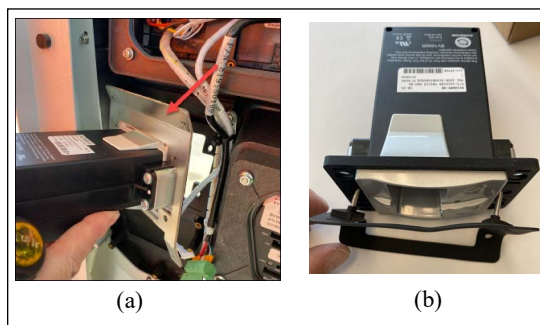
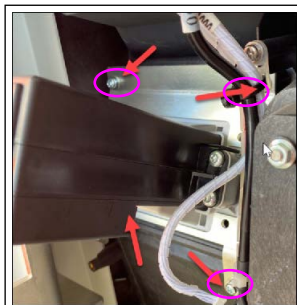


Figure 30: Line Up Screws with Mounting Bracket



- 7 Add the Tamper Pin Gasket with the tamper pins properly positioned on each side to depress the anti-tamper mechanism. Add the outer cover and use the long screws that accompany the reader to secure the front outer cover from the inside of the pedestal.

Figure 31: Tamper Pin Rubber Gasket



Figure 32: Installing Tamper Pin Gasket on Front



Figure 33: Using Screws to Mount

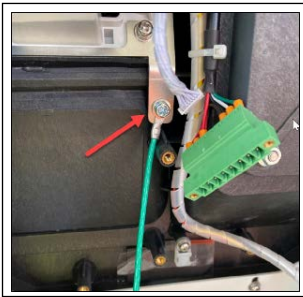


Figure 34: Ensure Plastic Cover Lines Up



- 8 Add the accompanying ground wire to the bracket and connect it to the ground lug on the door or inside the bottom left of the Islander cabinet.

Figure 35: Connect Ground Wire



- 9 Add the accompanying cabling to the SPR1 port in the Islander.
Note: Power to the Islander should be OFF if it hasn't been turned off already.

Figure 36: Connect to SPR1



- 10 Plug in the harness as shown in [Figure 37](#). Ensure that the power is OFF.

Figure 37: Make Connections to Card Reader

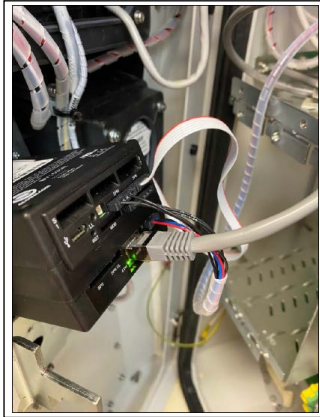


Figure 38: Connections from PIN Pad



Connecting To and Configuring EMV Readers

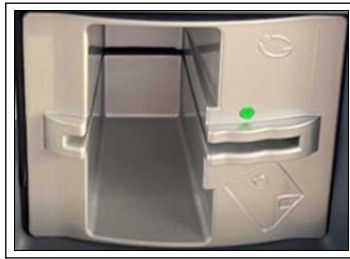
If you have more than one EMV Reader at a site, start with the one that should have the highest number in the last octet of its IP address (usually the highest numbered OrPAY).

- 1 **Power Up Pedestal:** Figure 39 and Figure 40 shows the components powered up. In the case of the card reader, the light is red before configuration.

Figure 39: PIN Pad Powered Up

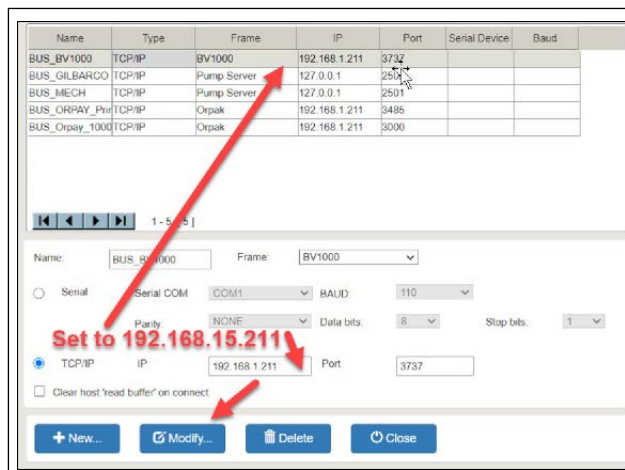


Figure 40: Card Reader Powered Up



- 1 Log in to SiteOMat.
- 2 Navigate to **Buses** Tab in the SiteOmat, and set the IP address of the associated OrPAY to something not used in the system (e.g. 192.168.15.211). Click **Modify** and **Save** and reload the SiteOmat.

Figure 41: Set IP for First to 192.168.1.211



3 Open the GasboyGlobalCom Support App.

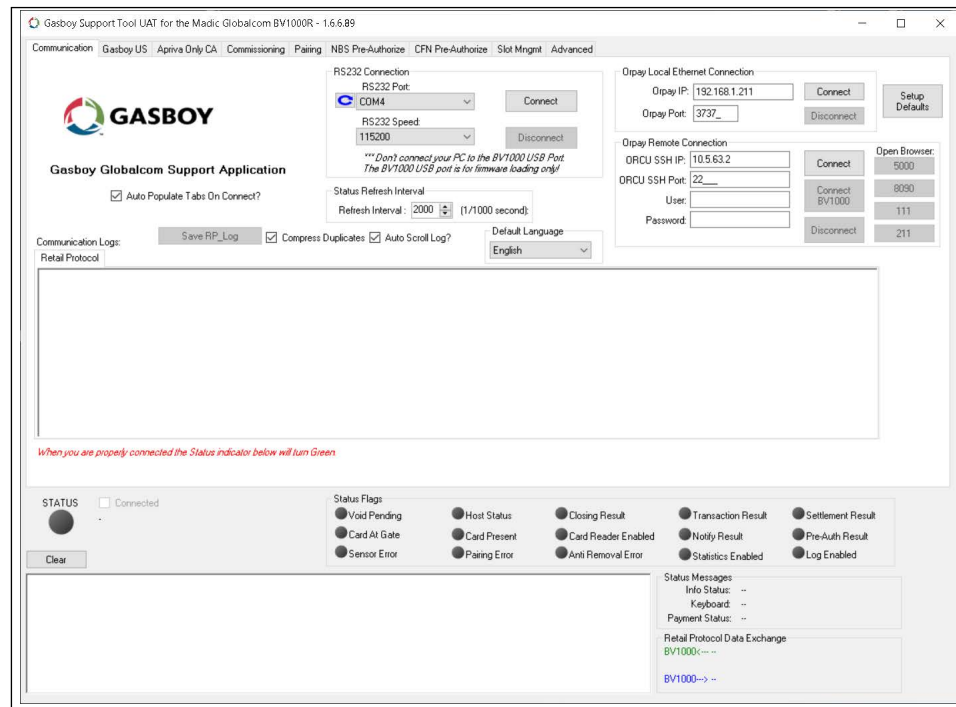
Note: The GasboyGlobalCom Support App can be found at the Gasboy FTP.

⚠ WARNING

Download the latest GlobalCom application from the FTP site to ensure that the latest BV1000 application and firmware is loaded on BV1000 EMV reader.

4 Set the IP address of the support app to match that of the OrPAY (Do not use the address set in the buses tab step 2 on page 24).

Figure 42: Set OrPAY IP using Gasboy GlobalCom Tool

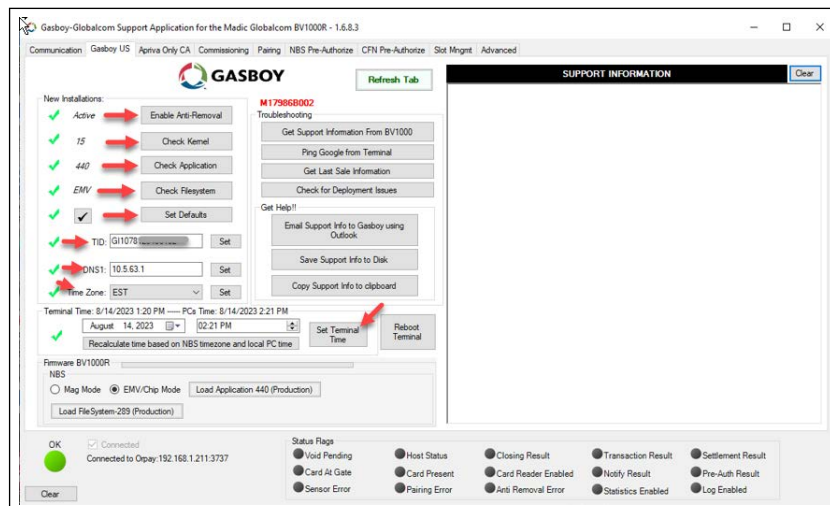


5 When connected and showing data on the **Communication** Tab, navigate to the **Gasboy** Tab and review the new installations.

- 6 Check the new installations by clicking each corresponding button and address any actions required.

Note: In the case of an Anti-Removal error, contact the Gasboy Help Desk to resolve the issue.

Figure 43: New Installations in the Gasboy Tab



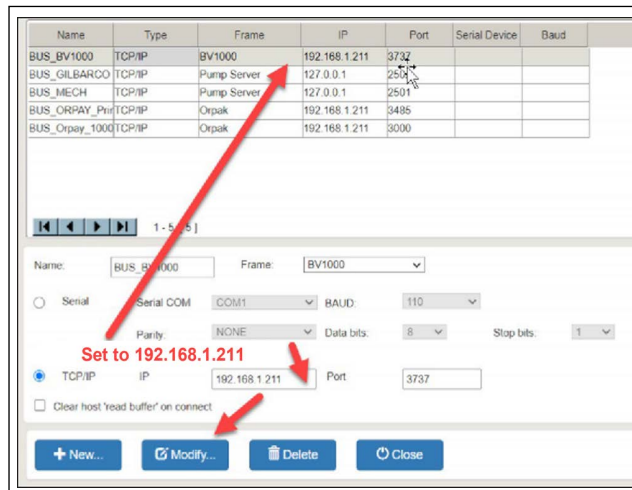
- 7 Review the Status Flags. Red indicates an issue that needs to be addressed.

Figure 44: Status Flags



- 8 When configured, put the settings for the BV1000 Bus back to the IP Address to 192.168.1.211 and the Port to 3737, matching the IP address of the OrPAY. Ensure that you have application to NBS to receive the GI number prior to the installation date.

Figure 45: Modify IP Address



- 9 After Connecting and Configuring the EMV Card Reader, test using an approved and non-expired EMV (chip) card.
- 10 Green indicates that the card reader is ready to receive a card; red indicates that the card reader is not ready to receive a card.
- Note: You can check the status of the BV1000 in the SiteOmat under **Status > Devices** to confirm that the card reader and PIN Pad are online with the SiteOmat.*

Figure 46: EMV Card in Card Reader



Sites with Multiple EMV Card Readers

If you are installing multiple EMV Card Readers for a site, ensure that each EMV instance has its own and unique IP address and EMV hardware grouping.

Each hardware grouping (set in SiteOmat) includes an OrPAY, Printer, and EMV Card Reader that will use a single IP address. If you have multiple EMV card readers, use the recommended IP address scheme below. If you have more than 4 (four), then extend to .215, .216, etc. Refer to the table below for details.

In the GlobalCom App, set the Terminal IP address for the associated Terminal ID in the GlobalCom App. The Terminal ID uses a GI prefix and must be unique for each card reader. Refer to the table below and [Figure 47](#).

IP Addresses and Ports for EMV Hardware Groupings

EMV Hardware Group (SiteOmat)	Names to use	Set to Frame	HW group IP address	Device Port	Terminal IP Address* (GlobalCom App)
1	OrPAY_1	Orpak	192.168.1.211	3000	192.168.1.105
	Printer_1	Orpak	192.168.1.211	3485	
	EMVReader_1	BV1000	192.168.1.211	3737	
2	OrPAY_2	Orpak	192.168.1.212	3000	192.168.1.106
	Printer_2	Orpak	192.168.1.212	3485	
	EMVReader_2	BV1000	192.168.1.212	3737	
3	OrPAY_3	Orpak	192.168.1.213	3000	192.168.1.107
	Printer_3	Orpak	192.168.1.213	3485	
	EMVReader_3	BV1000	192.168.1.213	3737	
4	OrPAY_4	Orpak	192.168.1.214	3000	192.168.1.108
	Printer_4	Orpak	192.168.1.214	3485	
	EMVReader_4	BV1000	192.168.1.214	3737	

**Terminal ID uses a GI prefix and must be unique for each card reader.*

After connecting to and configuring the first EMV Card Reader, use the same instructions from previous section to set up the second EMV Card Reader, and so on. Connect to and Configure each EMV Card Reader installed.

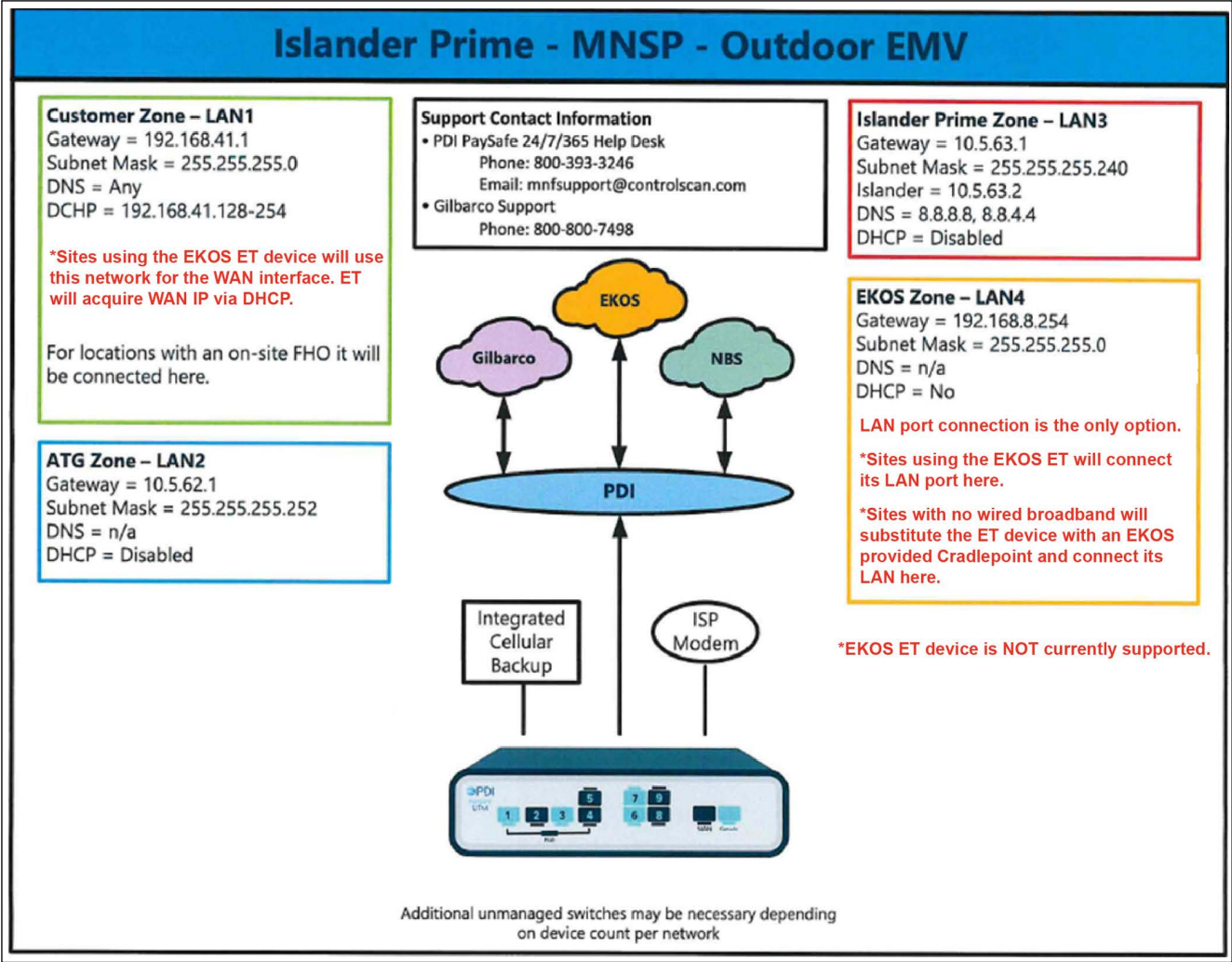
Figure 47: GlobalCom Configuration

Banking Configuration (0xB0)		
Description	Tag	Value
TerminalID	01	GI-XXXXXXXXXXXX
BankHostIPAddress	02	
BankHostIPPort	03	443
BankHostConnectionProtocol	04	TLSAuth
TerminalIPAddress	05	192.168.1.105
TerminalIPNetmask	06	255.255.255.0
TerminalIPGateway	07	192.168.1.104

Appendix A: PDI Paysafe Reference Document

The sheet below is included with the Paysafe and is provided for reference only.

Figure 48: Islander Prime - MNSP - Outdoor EMV



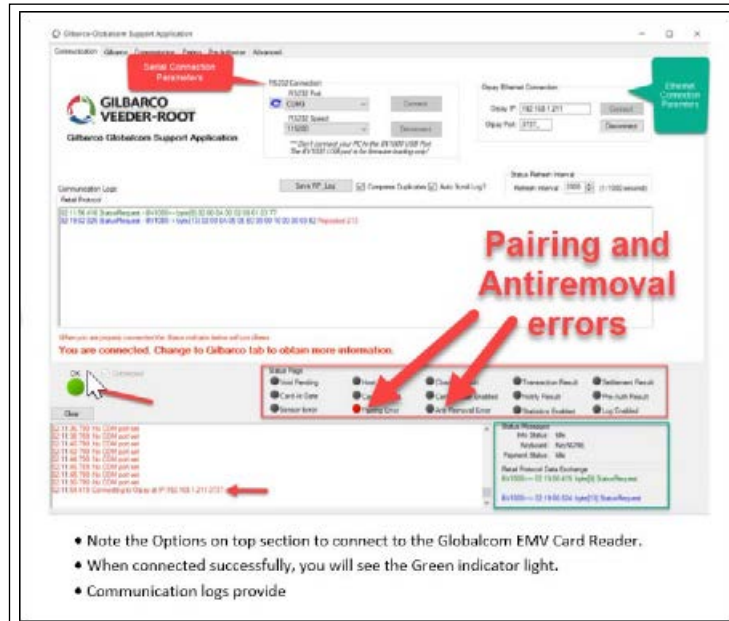
See [Appendix D: EMV Troubleshooting](#) on [page 40](#) for Connectivity Diagrams.

Appendix B: Pairing the Reader and PIN Pad

Communication Tab

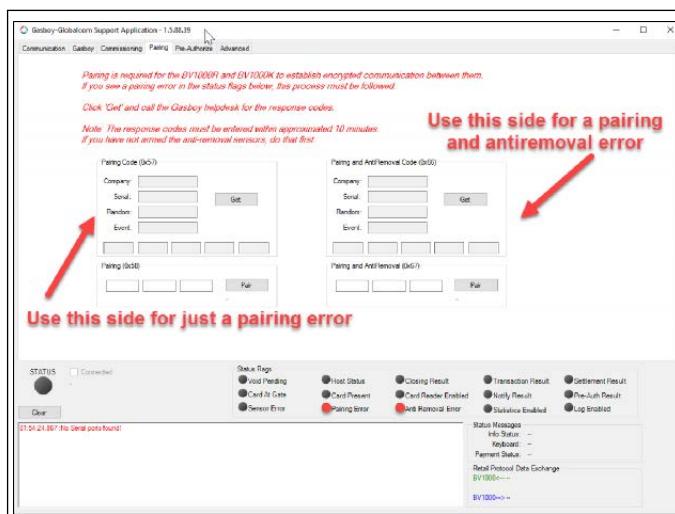
If the Gasboy/GlobalCom tool shows a pairing or activation error, use the Pairing Tab of the tool. [Figure 49](#) shows a pairing error. An anti-removal error will appear similarly.

Figure 49: Gasboy GlobalCom Tool



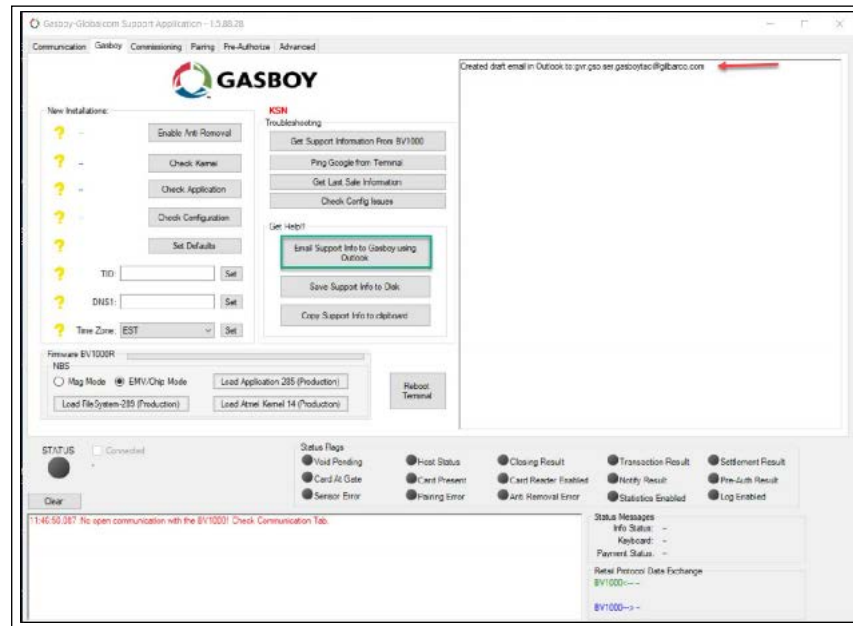
To get a pairing/anti-removal pairing code, call 1-800-444-5529.

Figure 50: Pairing



If you need assistance, you can request help via email using the button shown in green (it starts an email message in MS Outlook for you).

Figure 51: Email Support from the Tool



Appendix C: Product Codes

Description	Code
Not Used	0
Motor Fuels	001-099
Unleaded Regular	001
Unleaded Plus	002
Unleaded Super	003
Unleaded 4	004
Unleaded 5	005
Unleaded Methanol (5.7% Blend)	006
Unleaded Plus Methanol (5.7% Blend)	007
Super Unleaded Methanol (5.7% Blend)	008
Unleaded Methanol (7.7% Blend)	009
Unleaded Plus Methanol (7.7% Blend)	010
Unleaded Ethanol (5.7% Blend)	011
Unleaded Plus Ethanol (5.7% Blend)	012
Super Unleaded Ethanol (5.7% Blend)	013
Unleaded Ethanol (7.7% Blend)	014
Unleaded Plus Ethanol (7.7% Blend)	015
Methanol/Leaded	016
Ethanol/Leaded	017
Leaded	018
Regular Diesel #2	019
Premium Diesel #2	020
Diesel #1	021
Compressed Natural Gas	022
Liquid Propane Gas	023
Liquid Natural Gas	024
M-85	025
E-85	026
Unleaded - Reformulated 1	027
Unleaded - Reformulated 2	028
Unleaded - Reformulated 3	029
Unleaded - Reformulated 4	030
Unleaded - Reformulated 5	031
Diesel Off-road (#1 and #2 Non-taxable)	032
Ultra Low Sulfur Diesel Off-road (Non-taxable)	033
Biodiesel Blend Off-road (Non-taxable)	034
Ultra Low Sulfur Biodiesel Blend Off-road (Non-taxable)	035
Racing Fuel	036
Super Unleaded Methanol (7.7% Blend)	037
Unleaded Methanol (10% Blend)	038
Unleaded Plus Methanol (10% Blend)	039

Description	Code
Super Unleaded Methanol (10% Blend)	040
Super Unleaded Ethanol (7.7% Blend)	041
Unleaded Ethanol (10% Blend)	042
Unleaded Plus Ethanol (10% Blend)	043
Super Unleaded Ethanol (10% Blend)	044
B2 Diesel Blend 2% Biodiesel	045
B5 Diesel Blend 5% Biodiesel	046
B10 Diesel Blend 10% Biodiesel	047
B11 Diesel Blend 11% Biodiesel	048
B15 Diesel Blend 15% Biodiesel	049
B20 Diesel Blend 20% Biodiesel	050
B100 Diesel Blend 100% Biodiesel	051
Ultra Low Sulfur #1	052
Ultra Low Sulfur #2	053
Ultra Low Sulfur Premium Diesel #2	054
Ultra Low Sulfur Biodiesel Blend 2%	055
Ultra Low Sulfur Biodiesel Blend 5%	056
Ultra Low Sulfur Biodiesel Blend 10%	057
Ultra Low Sulfur Biodiesel Blend 11%	058
Ultra Low Sulfur Biodiesel Blend 15%	059
Ultra Low Sulfur Biodiesel Blend 20%	060
Ultra Low Sulfur Biodiesel Blend 100%	061
DEF	062
Undefined Fuel—Reserved for PCATS Future Use	063-070
Undefined Fuel—Reserved for Proprietary Use	071-098
Miscellaneous Fuel	099
Automotive Products/Services	100-149
General Automotive Merchandise	100
Motor Oil	101
Car Wash	102
Oil Change	103
Oil Filter	104
Work Order	105
Anti-freeze	106
Washer Fluid	107
Brake Fluid	108
Tires	109
Federal Excise Tax (Tires)	110
Tire Rotation	111
Batteries	112
Lube	113
Inspection	114
Labor	115
Towing	116

Description	Code
Road Service	117
Auto Accessories	118
Auto Parts	119
Preventative Maintenance	120
Air Conditioning Service	121
Engine Service	122
Transmission Service	123
Brake Service	124
Exhaust Service	125
Body Work	126
Automotive Glass	127
Synthetic Oil	128
Lamps	129
Wipers	130
Hoses	131
Tire-related (Wheel Balance, Valve Stem)	132
Repairs	133
Service Package	134
Automotive Parking	135
Truck Tank Cleaning	136
Other Lubricants	137
Automotive Fuel Additives/Treatment (Injected)	138
Vehicle Rental	139
Air Filter	140
Vehicle Prep	141
Fuel System	142
Undefined Parts/Service—Reserved for Proprietary Use	143-148
Miscellaneous Parts/Service	149
Aviation Fuels	150-174
Jet Fuel	150
Aviation Fuel Regular	151
Aviation Fuel Premium	152
Aviation Fuel JP8	153
Aviation Fuel 4	154
Aviation Fuel 5	155
Undefined Aviation Fuel—Reserved for PCATS Future Use	156-167
Undefined Aviation Fuel—Reserved for Proprietary Use	168-173
Miscellaneous Aviation Fuel	174
Aviation Products/Services	175-224
Storage	175
Aircraft Ground Handling	176
Aircraft Ground Power Unit	177
Aircraft Labor	178

Description	Code
Aircraft Work Order	179
Aircraft Maintenance	180
Aircraft Service	181
Transportation	182
De-icing	183
Ramp Fees	184
Catering	185
Hangar Fee	186
Landing Fee	187
Call Out Fee	188
Aircraft Rental	189
Instruction Fee	190
Flight Plans/Weather Brief	191
Charter Fee	192
Communication Fee	193
Aircraft Cleaning	194
Cargo Handling	195
Aircraft Accessories	196
Pilot Supplies	197
Aircraft Parking Fees	198
Aircraft Tiedown Fees	199
Aircraft Sanitation Fees	200
Aircraft Fuel Additive	201
Undefined Aviation-Reserved for PCATS Future Use	202-215
Undefined Aviation-Reserved for Proprietary Use	216-223
Miscellaneous Aviation	224
Marine Fuels	225-249
Marine Fuel 1	225
Marine Fuel 2	226
Marine Fuel 3	227
Marine Fuel 4	228
Marine Fuel 5	229
Marine - Other	230
Undefined Marine Fuel-Reserved for PCATS Future Use	231-242
Undefined Marine Fuel-Reserved for Proprietary Use	243-248
Miscellaneous Marine Fuel	249
Marine Products/Services	250-299
Marine Service	250
Marine Labor	251
Marine Work Order	252
Launch Fee	253
Slip Rental	254
Undefined Marine Services-Reserved for PCATS Future Use	255-280

Description	Code
Undefined Marine Services-Reserved for Proprietary Use	281-298
Miscellaneous Marine Service	299
Other Fuels	300-399
Kerosene - Low Sulfur	300
White Gas	301
Heating Oil	302
Bottled Propane	303
Other Fuel (Non-taxable)	304
Kerosene - Ultra Low Sulfur	305
Kerosene - Low Sulfur (Non-taxable)	306
Kerosene - Ultra Low Sulfur (Non-taxable)	307
Undefined Other Fuel-Reserved for PCATS Future Use	308-380
Undefined Other Fuel-Reserved for Proprietary Use	381-398
Miscellaneous Other Fuel	399
Merchandise	400-599
General Merchandise	400
General Ice	401
General Undefined-Reserved for PCATS Future Use	402-409
General Tobacco	410
Cigarettes	411
Tobacco - Other	412
Undefined Tobacco-Reserved for PCATS Future Use	413-417
Undefined Tobacco-Reserved for Proprietary Use	418-419
General Packaged Beverage	420
Packaged Beverages (non-alcoholic)	421
Juice	422
Other Packaged Beverages	423
Undefined Packaged Beverages-Reserved for PCATS Future Use	424-427
Undefined Packaged Beverages-Reserved for Proprietary Use	428-429
General Dispensed Beverage	430
Hot Dispensed Beverages	431
Cold Dispensed Beverages	432
Frozen Dispensed Beverages	433
Other Dispensed Beverages	434
Undefined Dispensed Beverages-Reserved for PCATS Future Use	435-437
Undefined Dispensed Beverages-Reserved for Proprietary Future	438-439
General Snacks	440
Salty Snacks	441
Alternative Snacks	442
Sweet Snacks - Packaged	443
Undefined Snacks-Reserved for PCATS Future Use	444-447
Undefined Snacks-Reserved for Proprietary Use	448-449
General Candy	450
Undefined Candy-Reserved for PCATS Future Use	451-457

Description	Code
Undefined Candy-Reserved for Proprietary Use	458-459
General Dairy	460
Fluid Milk Products	461
Packaged Ice Cream/Novelties	462
Other Dairy	463
Undefined Dairy-Reserved for PCATS Future Use	464-467
Undefined Dairy-Reserved for Proprietary Use	468-469
General Grocery	470
Groceries - Edible	471
Groceries - Non-Edible	472
Groceries - Perishable	473
Bread - Packaged	474
Frozen Foods	475
Undefined Grocery-Reserved for PCATS Future Use	476-477
Undefined Grocery-Reserved for Proprietary Use	478-479
General Alcohol	480
Beer - Alcoholic	481
Beer - Non-Alcoholic	482
Wine	483
Liquor	484
Undefined Alcohol-Reserved for PCATS Future Use	485-487
Undefined Alcohol-Reserved for Proprietary Use	488-489
General Deli	490
Packaged Sandwiches/Deli Products	491
Prepared Foods	492
Deli Items	493
Undefined Deli-Reserved for PCATS Future Use	494-497
Undefined Deli-Reserved for Proprietary Use	498-499
General Foodservice	500
Undefined Foodservice-Reserved for PCATS Future Use	501-507
Undefined Foodservice-Reserved for Proprietary Use	508-509
General Lottery	510
Lottery - Instant	511
Lottery - Online	512
Lottery - Other	513
Undefined Lottery-Reserved for PCATS Future Use	514-517
Undefined Lottery-Reserved for Proprietary Use	518-519
General Money Order	520
Money Order - Vendor Payment	521
Money Order - Payroll Check	522
Money Order - Gift Certificate	523
Money Order - Refund Check	524
Money Order - Official Check	525

Description	Code
Money Order - Rebate Check	526
Money Order - Dividend Check	527
Money Order - Utility Check	528
Undefined Money Order-Reserved for PCATS Future Use	529
General Store Service	530
Home Delivery	531
Prepaid Cards - Purchase	532
Prepaid Cards - Activation/Recharge	533
Membership/Loyalty	534
Undefined Store Services-Reserved for PCATS Future Use	535-537
Undefined Store Services-Reserved for Proprietary Use	538-539
General Health and Beauty Care	540
Undefined Health and Beauty Care-Reserved for PCATS Future Use	541-547
Undefined Health and Beauty Care-Proprietary Use	548-549
General Publications	550
Undefined General Publications-Reserved for PCATS Future Use	551-557
Undefined General Publications-Reserved for Proprietary Use	558-559
Undefined Merchandise-Reserved PCATS Future Use	560-590
Undefined Merchandise-Reserved Proprietary Use	591-599
Reserved for PCATS Future Use	600-799
Reserved for Proprietary Use	800-899
Negative Transactions	900-949
Discount 1	900
Discount 2	901
Discount 3	902
Discount 4	903
Discount 5	904
Coupon 1	905
Coupon 2	906
Coupon 3	907
Coupon 4	908
Coupon 5	909
Lottery Pay Out - Instant	910
Lottery Pay Out - Online	911
Lottery Pay Out - Other	912
Split Tender	913
Tax Discount/Forgiven	914
Undefined Negative-Reserved for PCATS Future Use	915-940
Undefined Negative-Reserved for Proprietary Use	941-948
Miscellaneous Negative Administrative	949
Administrative	950-999
Tax 1	950
Tax 2	951

Description	Code
Tax 3	952
Tax 4	953
Tax 5	954
Cash Back	955
Cash Back Fee	956
Fee 1	957
Fee 2	958
Fee 3	959
Fee 4	960
Fee 5	961
Miscellaneous Aviation Tax	962
GST/HST (Canadian)/VAT 1	963
PST/QST (Canadian) VAT 2	964
SWT Rate (Canadian)	965
Tax 6	966
Tax 7	967
Tax 8	968
Undefined Administrative-Reserved for PCATS Future Use	969-990
Undefined Administrative-Reserved for Proprietary Use	991-998
Miscellaneous Administrative	999

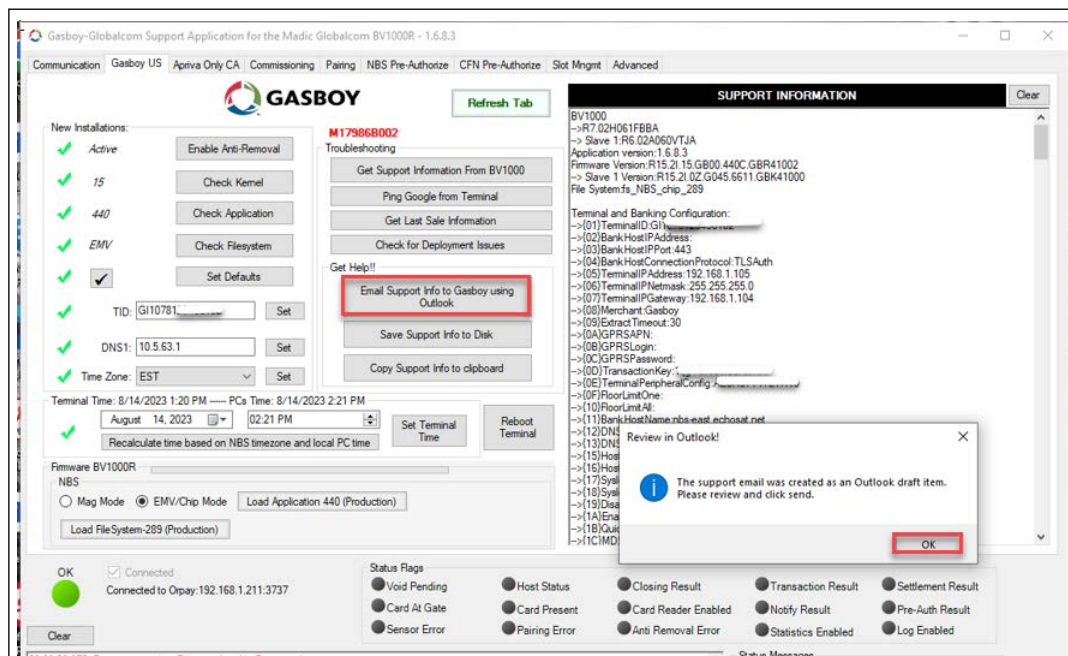
Appendix D: EMV Troubleshooting

Consult the following troubleshooting tables first. If you cannot resolve the issue, contact the Gasboy Help desk at 1-800-444-5529.

If directed to do so by the help desk, you can email Support directly from the GlobalCom Support Application.

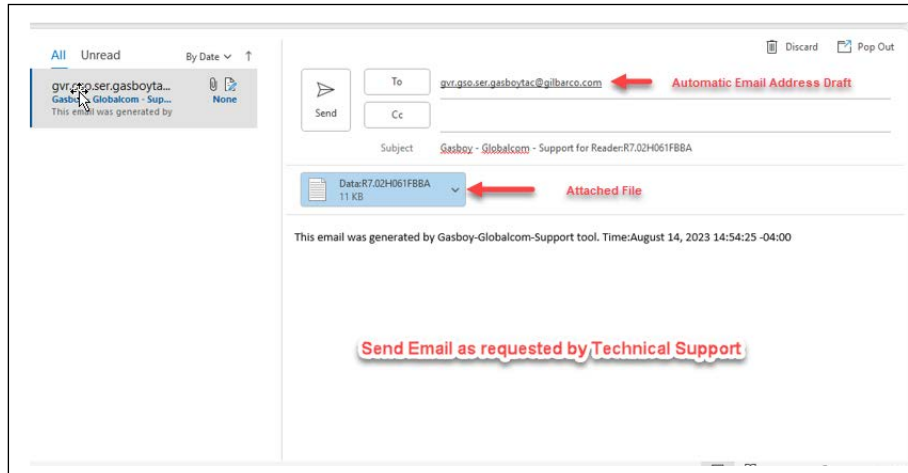
- 1 From the Gasboy US tab, click Email Support Info to Gasboy using Outlook and then click OK.

Figure 52: EMV GlobalCom Email Support Tool A

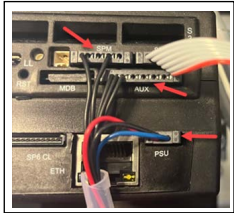
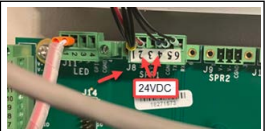
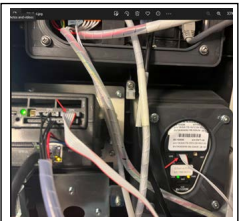




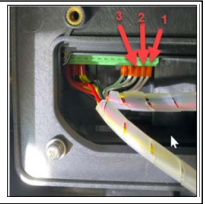
- 2 Add comments to the email and click **Send**.

Figure 53: EMV GlobalCom Email Support Tool B



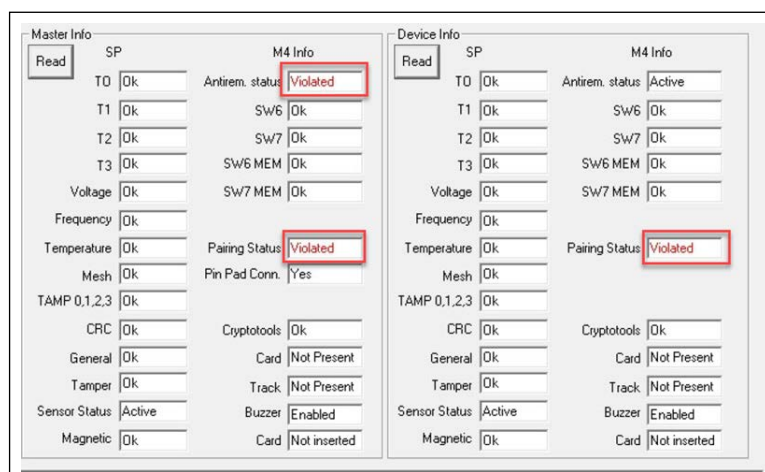
OrPAY 1000 Terminal displays red message “BV1000 Communication Error”.

Possible Cause	Checks	Corrective Actions	References
EMV Card Reader and/or PIN Pad do not have power.	Is the EMV Card Reader cable harness plugged into EMV Reader and Backplane board port?	Confirm cable harness is securely plugged into EMV Reader ports SPM, AUX, and PSU and backplane port J8.	
	Is backplane board supplying 24DCV to EMV Card Reader?	Check if 24VDC is measured between V+ and CGND on the J8 connector on the backplane board. If not, replace the backplane board. If 24VDC is measured on J8, replace the EMV card reader.	
	Is the cable harness plugged in between EMV Card Reader and PIN Pad?	Ensure that the ribbon cable is secure in the EMV Card reader SPK port and in the PIN Pad SPR port.	
EMV Card Reader has Red LED lit, and PIN Pad is showing a floating “G”	Is CAT/5 cable connected to EMV Card Reader and 5-Port Switch?	Confirm CAT/5 cable is securely connected to ETH port on EMV Card Reader and 5-Port switch.	

Possible Cause	Checks	Corrective Actions	References
EMV Card Reader has Red LED lit or cannot communicate using the GlobalCom application tool.	Is SiteOmat and BV1000 EMV Card Reader configured correctly?	Check both SiteOmat and BV1000 EMV Card Readers are programmed as described in the manual.	
	Are the connections leading to the OrPAY Terminal from the backplane secure?	Check that cable connection is secure on the backplane J4 connector (1,2,3) and they ohm out properly to OrPAY Terminal.	

The Gasboy GlobalCom application displays a **Tamper** status as **Violated**, see [Figure 54](#)

Figure 54: GlobalCom Application - Master Info





OR

The Gasboy GlobalCom application displays a Status Flag of one of the following:

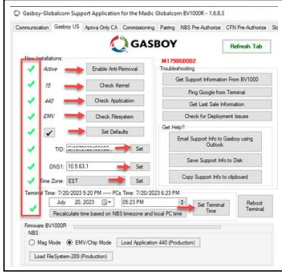
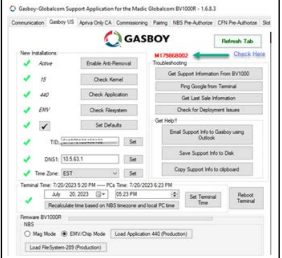
- Sensor Error
- Pairing Error, or
- Anti Removal Error

Figure 55: Gasboy GlobalCom Application - Status Flag




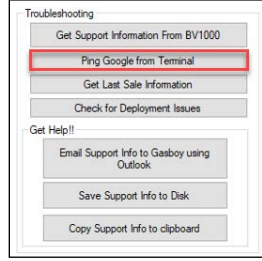
Possible Cause	Checks	Corrective Actions	References
The PIN Pad has been removed or replaced.	Is the PIN Pad damaged or been replaced?	Ensure that the plate is properly inserted on the back of the PIN Pad and the rubber gasket are aligned with pins before powering up the Islander.	
PIN Pad/BV1000 reader has been removed or replaced	Has the PIN Pad or BV1000 reader been removed, replaced, or looks damaged?	Follow the steps in "Appendix B: Pairing the Reader and PIN Pad" on page 30 to Pair or Commission PIN Pad/ BV1000 reader.	

BV1000 Card Reader will not authorize credit cards.

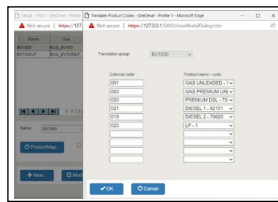
Possible Cause	Checks	Corrective Actions	References
Incorrect programming in BV 1000 reader	Does Gasboy Tab in Gasboy GlobalCom Support Application show any Red X's	Select all corresponding boxes to the right to ensure that the green check mark is present.	
Incorrect Key is loaded in BV1000 Reader	Was correct EMV Kit/ BV1000 Card reader ordered?	Check correct key is displayed in the Gasboy GlobalCom application on the Gasboy tab.	

BV1000 Card Reader will not authorize Credit Cards due to no connectivity to NBS.

Possible Cause	Checks	Corrective Actions	References
Incorrect Network programming on the nOrCU controller.	Is the Administrator Networking menu setup correctly	Access the nOrCU controller 8090 screen and recheck LAN2, Gateway, and DNS settings	

Possible Cause	Checks	Corrective Actions	References
Connectivity to customer Internet and PaySafe are offline.	Is the Internet accessible from the BV1000 reader?	<ul style="list-style-type: none"> Go to Gasboy-GlobalCom Application on Gasboy Tab and in the Troubleshooting section select - Ping Google from Terminal to check if any Pings are received. If not, move to the next step. Alternative is to sign into the nOrCU controller using Putty and pinging the IP or DNS addresses. 	
Incorrect setup in PDI - PaySafe modem	Is the PDI-Pay safe modem configured for the Gasboy protocol?	Contact PDI to verify PaySafe modem is assessable from the customer's Internet and programmed correctly.	Support Contact Information <ul style="list-style-type: none"> PDI PaySafe 24/7/365 Help Desk Phone: 800-393-3246 Email: mnfsupport@pditechnologies.com

Fleet Credit Cards (WEX and Voyager) are declined by the network.

Possible Cause	Checks	Corrective Actions	References
SiteOmat is not configured correctly	Is FPOS Product mapping setup?	Setup FPOS menu in SiteOmat with the correct External Code for each Internal Product name-code.	

The card will not insert into the reader.

Possible Cause	Checks	Corrective Actions	References
Bad Card	Run several cards to verify the problem is consistent.	Replace the card and test again.	-
Dirty Card Reader	Inspect card reader is free of debris.	Power down the system and use a tool or cleaner card to remove debris. Test again.	-
Faulty card reader	Above steps have been applied.	Replace the Card reader	-

OrPAY 1000 Terminal reboots itself when the card reader is used.

Possible Cause	Checks	Corrective Actions	References
Faulty ground connection	<ul style="list-style-type: none"> Check ground wire is attached to the ground lug in the pedestal. Check good connection is made to the ground lug. 	<ul style="list-style-type: none"> Attach the ground wire to the ground lug. Remove a bit of paint from the underground lug to provide better contact to ground ring. 	-

Appendix E: Installing BSP and SiteOmat Software

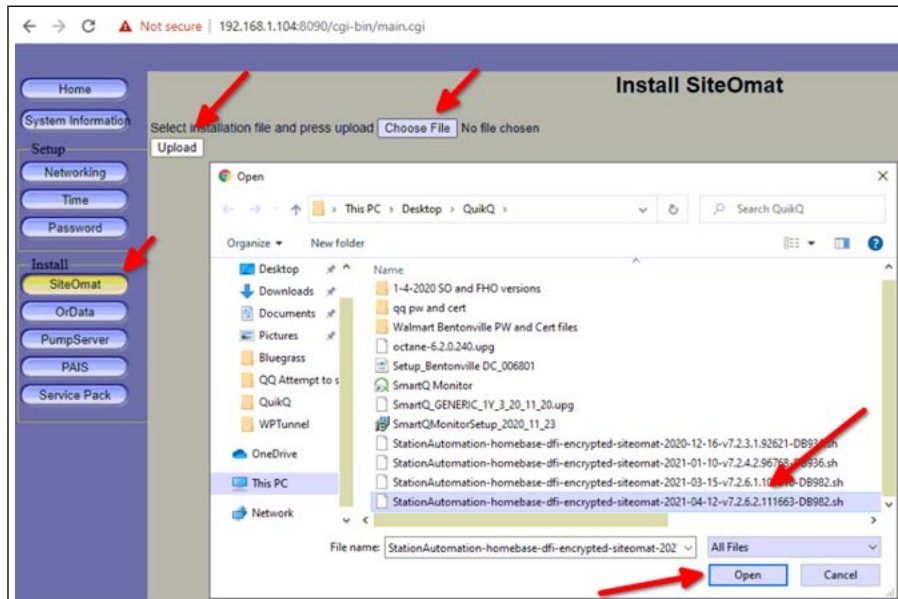
To install the BSP, proceed as given below:

- 1 Log in to the Administrative Console at <https://192.168.1.104:8090>. The Username is “admin” (all lowercase) and the password is “admin123” (all lowercase).
- 2 To load Service Pack 16, click Service Pack on the left side.
- 3 Click **Choose File**, select the Service Pack File, and click **Open**. Then, click **Upload**.
- 4 Click **Choose File**, navigate to the Service Pack File, and click **Open**.
- 5 Then, click **Upload**.
- 6 After the filename is submitted, click **Install**. The installation may take a few minutes.
- 7 After the Service Pack Load is complete, click **Reboot Unit**. Repeat for the current service pack - 21 or higher.

To install the SiteOmat Software, proceed as follows:

- 1 Click **Choose File** and navigate to **StationAutomation-homebase-dfi-encrypted-XXXXXXX**. Click **Open**.

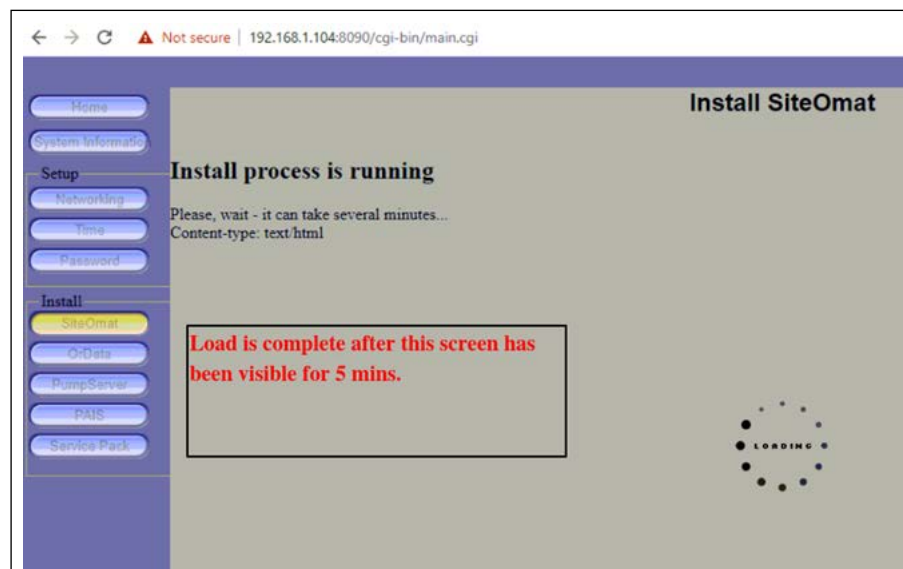
Figure 56: Upload the SiteOmat Software



2 Install and Upgrade buttons are displayed. After selecting an action, wait 5 minutes.

a If you are installing a new Islander, CFN or SitePrime, click **Install**.

b If the site already had a PRIME Controller, click **Upgrade**.



3 You should receive a confirmation message that this software has successfully installed at the bottom of the screen. Reboot the pedestal and check to be sure the software version matches the version installed in the Home screen of <https://192.168.1.104:8090>.

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